ABSTRACT OF THE DISCLOSURE

A method is disclosed whereby separate but interrelated data is checkpointed and reconstructed within a router. In one embodiment, each connection is checkpointed with a unique connection identifier, and critical data is stored by a firewall application in a checkpoint server provided within a router. When an application module within the firewall crashes, the firewall and associated modules may recover and restore the data from the checkpoint server by re-assembling the data according the unique connection identifier, thus recovering the connections through the router without interruption.

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